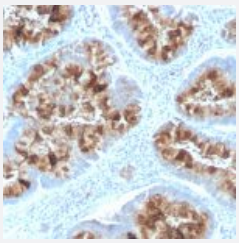
RecomAb™ Sm Size

MUC1 recombinant monoclonal antibody, clone MUC1/2818R

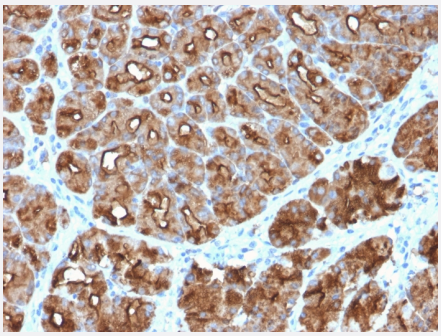
Catalog # RAB08951 Size 20 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach carcinoma.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MUC1.
Antibody Species	Rabbit
Immunogen	Human milk-fat globule membranes (HMFGM).
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A/G purification

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Isotype	IgG
Recommend Usage	ELISA (Use Ab at 2-5 ug/mL for coating) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human colon.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human stomach carcinoma.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MUC1

Entrez GeneID	4582
Protein Accession#	P15941
Gene Name	MUC1
Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
Gene Description	mucin 1, cell surface associated
Omim ID	158340
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the mucin family and encodes a membrane bound, glycosylated phosp hoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane do main, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable numb er tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different i ndividuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glyco sylation of this protein have been associated with carcinomas. Multiple alternatively spliced transc ript variants that encode different isoforms of this gene have been reported, but the full-length natu re of only some has been determined. [provided by RefSeq

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Other Designations	DF3 antigen|H23 antigen|MUC-1/SEC|MUC-1/X|MUC1/ZD|OTTHUMP00000033787|OTTHUMP00000033790|OTTHUMP00000033795|breast carcinoma-associated antigen DF3|episialin|mucin 1|mucin 1, transmembrane|peanut-reactive urinary mucin|polymorphic epithelial mucin|tumor as

Disease

- Adenocarcinoma
- Asthma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Carcinoma
- Chronic Disease
- Disease Susceptibility
- Gastritis
- Genetic Predisposition to Disease
- Helicobacter Infections
- Infant
- Kidney Failure
- Lung Diseases
- Lung Neoplasms
- Metaplasia
- NARP
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms

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- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Stomach Neoplasms

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